



California State Fire Marshal
National Fire Incident Reporting System

Data as of: 01/28/2008 10:13:45AM

FDID Range:
0 to No Upper Bound

Incident Date Range:
01/01/2003 to 12/31/2007

Incident Type:
111 to 123

Automatic Fire Extinguisher System Failure, 2003-2007

<u>Incident Year</u> 2003	<u>AES Failure Reason</u>	<u>AES Type</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
(Unspecified)									
		Dry chemical system	2	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	2	\$15,000	\$7,500	0	0	0	0
		Subtotal	4	\$15,000	\$7,500	0	0	0	0
Fire not in area protected by the system									
		Dry chemical system	3	\$150,300	\$175,200	0	0	0	0
		Other sprinkler system	1	\$30,000	\$30,000	0	0	0	0
		Wet pipe sprinkler	2	\$7,000	\$0	0	0	0	0
		Subtotal	6	\$187,300	\$205,200	0	0	0	0
Inappropriate system for the type of fire									
		Dry chemical system	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	1	\$10,000	\$5,000	0	0	0	0
		Subtotal	2	\$10,000	\$5,000	0	0	0	0
Lack of maintenance, including corrosion or heads									
		Dry chemical system	1	\$2,000	\$500	0	0	0	0
		Subtotal	1	\$2,000	\$500	0	0	0	0
Manual intervention defeated the system									
		Undetermined	1	\$0	\$200	0	0	0	0
		Wet pipe sprinkler	3	\$61,300	\$60,150	0	0	0	0
		Subtotal	4	\$61,300	\$60,350	0	0	0	0
Reason system not effective, other									
		Dry chemical system	1	\$0	\$0	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2007

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2003		Other	3	\$0	\$1,000	0	0	0	0	
		Wet pipe sprinkler	1	\$0	\$0	0	0	0	0	
		Subtotal	5	\$0	\$1,000	0	0	0	0	
		System shut off								
		Carbon dioxide (CO2) system	1	\$0	\$0	0	0	0	0	
		Dry chemical system	1	\$0	\$0	0	0	0	0	
		Wet pipe sprinkler	3	\$200,000	\$40,000	0	0	0	0	
		Subtotal	5	\$200,000	\$40,000	0	0	0	0	
		Undetermined								
		Dry chemical system	2	\$90,000	\$38,500	0	0	0	0	
		Other	1	\$1,000	\$100	0	0	0	0	
		Other sprinkler system	1	\$3,000	\$2,000	0	0	0	0	
		Wet pipe sprinkler	3	\$410,000	\$1,000	0	0	0	0	
		Subtotal	7	\$504,000	\$41,600	0	0	0	0	
		2003	Total	34	\$979,600	\$361,150	0	0	0	0
	2004									
		(Unspecified)								
		Other sprinkler system	1	\$100	\$0	0	0	0	0	
	Wet pipe sprinkler	5	\$0	\$500	0	0	0	0		
	Subtotal	6	\$100	\$500	0	0	0	0		
	Fire not in area protected by the system									
	(Unspecified)	1	\$0	\$0	0	0	0	0		
	Carbon dioxide (CO2) system	1	\$20,000	\$0	0	0	0	0		
	Dry chemical system	4	\$4,950	\$6,000	0	0	0	0		
	Undetermined	2	\$2,500	\$1	0	0	0	0		
	Wet pipe sprinkler	11	\$200,500	\$106,500	0	0	0	0		
	Subtotal	19	\$227,950	\$112,501	0	0	0	0		
	Lack of maintenance, including corrosion or heads									
	Dry chemical system	1	\$2,000	\$3,000	0	0	0	0		
	Subtotal	1	\$2,000	\$3,000	0	0	0	0		
	Manual intervention defeated the system									
	Wet pipe sprinkler	1	\$0	\$0	0	0	0	0		

Automatic Fire Extinguisher System Failure, 2003-2007

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			Subtotal	1	\$0	\$0	0	0	0
	Not enough agent discharged to control the fire								
		Wet pipe sprinkler	1	\$0	\$0	0	0	0	0
		Subtotal	1	\$0	\$0	0	0	0	0
	Reason system not effective, other								
		Dry chemical system	2	\$10,000	\$100,000	0	0	0	0
		Undetermined	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	4	\$315,000	\$15,025	0	0	0	0
		Subtotal	7	\$325,000	\$115,025	0	0	0	0
	System components damaged								
		Wet pipe sprinkler	1	\$10,000,000	\$25,000,000	0	0	0	0
		Subtotal	1	\$10,000,000	\$25,000,000	0	0	0	0
	System shut off								
		Dry chemical system	1	\$500	\$1,000	0	0	0	0
		Halogen type system	1	\$3,500	\$8,000	0	0	0	0
		Wet pipe sprinkler	9	\$2,380,334	\$226,167	0	0	1	0
		Subtotal	11	\$2,384,334	\$235,167	0	0	1	0
	Undetermined								
		Dry chemical system	5	\$36,100	\$19,800	0	0	0	0
		Halogen type system	1	\$0	\$0	0	0	0	0
		Other	1	\$6,000	\$3,000	0	0	0	0
		Undetermined	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	1	\$1,000	\$200	0	0	0	0
		Subtotal	9	\$43,100	\$23,000	0	0	0	0
2004		Total	56	\$12,982,484	\$25,489,193	0	0	1	0

2005

(Unspecified)

(Unspecified)	2	\$82,000	\$10,500	0	0	0	0
Dry chemical system	2	\$31,000	\$20,100	0	0	0	0
Other sprinkler system	1	\$0	\$500	0	0	0	0
Undetermined	2	\$251,000	\$100,500	0	0	0	1
Wet pipe sprinkler	4	\$2,150	\$150	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2007

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Subtotal			11	\$366,150	\$131,750	0	0	0	1
Fire not in area protected by the system									
	Dry chemical system		6	\$276,000	\$77,000	0	0	0	0
	Other sprinkler system		1	\$5,000	\$0	0	0	0	0
	Undetermined		1	\$0	\$0	0	0	0	0
	Wet pipe sprinkler		28	\$373,100	\$35,102	0	0	1	0
Subtotal			36	\$654,100	\$112,102	0	0	1	0
Inappropriate system for the type of fire									
	Dry chemical system		1	\$200,000	\$80,000	0	0	0	0
	Wet pipe sprinkler		1	\$50,000	\$300,000	0	0	0	0
Subtotal			2	\$250,000	\$380,000	0	0	0	0
Lack of maintenance, including corrosion or heads									
	Dry chemical system		1	\$0	\$200	0	0	0	0
	Other sprinkler system		1	\$0	\$0	0	0	0	0
	Wet pipe sprinkler		2	\$10,000	\$6,100,000	0	0	0	0
Subtotal			4	\$10,000	\$6,100,200	0	0	0	0
Manual intervention defeated the system									
	Dry chemical system		1	\$3,500	\$0	0	0	0	0
Subtotal			1	\$3,500	\$0	0	0	0	0
Reason system not effective, other									
	Carbon dioxide (CO2) system		1	\$1,500	\$1,500	0	0	0	0
	Dry chemical system		1	\$30,000	\$5,000	0	0	0	0
	Wet pipe sprinkler		5	\$111,100	\$77,000	0	0	1	0
Subtotal			7	\$142,600	\$83,500	0	0	1	0
System components damaged									
	Dry chemical system		1	\$2,000	\$1,000	1	0	0	0
Subtotal			1	\$2,000	\$1,000	1	0	0	0
System shut off									
	Foam system		1	\$0	\$0	0	0	0	0
	Other sprinkler system		2	\$750,000	\$50,000	0	0	0	0
	Wet pipe sprinkler		10	\$131,000	\$10,000	0	0	0	0
Subtotal			13	\$881,000	\$60,000	0	0	0	0

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Undetermined									
		Dry chemical system	7	\$17,001	\$18,001	0	0	0	0
		Other	1	\$5,000	\$5,000	0	0	0	0
		Undetermined	2	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	8	\$191,000	\$78,300	0	0	0	0
		Subtotal	18	\$213,001	\$101,301	0	0	0	0
2005		Total	93	\$2,522,351	\$6,969,853	1	0	2	1
2006									
(Unspecified)									
		Other sprinkler system	1	\$0	\$0	0	0	0	0
		Wet pipe sprinkler	4	\$2,500	\$5,200	0	0	0	0
		Subtotal	5	\$2,500	\$5,200	0	0	0	0
Fire not in area protected by the system									
		Dry chemical system	3	\$450,500	\$50,200	0	0	0	0
		Foam system	1	\$0	\$250	0	0	0	0
		Other	1	\$100,000	\$1,000	0	0	0	0
		Undetermined	1	\$250,000	\$1,000	0	0	0	0
		Wet pipe sprinkler	14	\$1,336,720	\$291,310	0	0	0	0
		Subtotal	20	\$2,137,220	\$343,760	0	0	0	0
Inappropriate system for the type of fire									
		Other	1	\$100	\$100	0	0	0	0
		Subtotal	1	\$100	\$100	0	0	0	0
Manual intervention defeated the system									
		Wet pipe sprinkler	1	\$0	\$200	0	0	0	0
		Subtotal	1	\$0	\$200	0	0	0	0
Not enough agent discharged to control the fire									
		Undetermined	1	\$0	\$25	0	0	0	0
		Subtotal	1	\$0	\$25	0	0	0	0
Reason system not effective, other									
		Dry chemical system	1	\$0	\$1,000	0	0	0	0
		Wet pipe sprinkler	3	\$298,500	\$10,000	0	0	0	0

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			Subtotal	4	\$298,500	\$11,000	0	0	0
	System components damaged								
		Wet pipe sprinkler	1	\$15,000	\$0	0	0	0	0
		Subtotal	1	\$15,000	\$0	0	0	0	0
	System shut off								
		Wet pipe sprinkler	7	\$1,751,000	\$340,000	0	0	0	0
		Subtotal	7	\$1,751,000	\$340,000	0	0	0	0
	Undetermined								
		Carbon dioxide (CO2) system	3	\$5,000	\$123,500	0	0	0	0
		Dry chemical system	2	\$1,000	\$1,000	0	0	0	0
		Dry pipe sprinkler	1	\$200	\$2,500	0	0	0	0
		Undetermined	1	\$2,000	\$5,000	0	0	0	0
		Wet pipe sprinkler	6	\$227,000	\$64,202	0	0	0	0
		Subtotal	13	\$235,200	\$196,202	0	0	0	0
2006	Total		53	\$4,439,520	\$896,487	0	0	0	0
2007	(Unspecified)								
		Dry chemical system	1	\$5,000	\$5,000	0	0	0	0
		Wet pipe sprinkler	11	\$30,800	\$17,310	0	0	0	0
		Subtotal	12	\$35,800	\$22,310	0	0	0	0
	Fire not in area protected by the system								
		Dry chemical system	3	\$300,000	\$100,100	0	0	0	0
		Dry pipe sprinkler	1	\$200	\$0	0	0	0	0
		Undetermined	2	\$5,000	\$1,000	0	0	0	0
		Wet pipe sprinkler	10	\$37,500	\$12,500	0	0	0	0
		Subtotal	16	\$342,700	\$113,600	0	0	0	0
	Lack of maintenance, including corrosion or heads								
		Undetermined	1	\$5,000	\$1,000	0	0	0	0
		Subtotal	1	\$5,000	\$1,000	0	0	0	0
	Manual intervention defeated the system								
		Other sprinkler system	1	\$100	\$0	0	0	0	0

Automatic Fire Extinguisher System Failure, 2003-2007

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			Subtotal	1	\$100	\$0	0	0	0
	Not enough agent discharged to control the fire								
		Dry chemical system	1	\$50,000	\$150,000	0	0	0	0
		Subtotal	1	\$50,000	\$150,000	0	0	0	0
	Reason system not effective, other								
		Wet pipe sprinkler	1	\$0	\$0	0	0	0	0
		Subtotal	1	\$0	\$0	0	0	0	0
	System shut off								
		Wet pipe sprinkler	8	\$30,002	\$10,500	0	0	0	0
		Subtotal	8	\$30,002	\$10,500	0	0	0	0
	Undetermined								
		Dry chemical system	3	\$415,000	\$63,000	0	0	0	0
		Undetermined	1	\$2,000	\$0	0	0	0	0
		Wet pipe sprinkler	10	\$2,600	\$75,610	0	0	0	0
		Subtotal	14	\$419,600	\$138,610	0	0	0	0
2007		Total	54	\$883,202	\$436,020	0	0	0	0
		Grand Total	290	\$21,807,157	\$34,152,703	1	0	3	1

The data contained in this report comes from the State Fire Marshal's California All Incident Reporting System (CAIRS) data warehouse. Property and contents loss figures, if included herein, are estimates only. These emergency incident statistics, including injury and death counts, are based only upon information submitted to the State Fire Marshal by participating California fire departments. Please note that apparent variations in incident counts and associated losses shown in this report may be solely due to fluctuations in the amount of data submitted to the State Fire Marshal. And while the incoming data is validated according to logical data rules, individual data elements are not always verified for accuracy.